

Appendix A

Mark-Ups Reflecting Changes to the Specification

For the convenience of the Examiner, the following mark-ups reflect the changes to the specification.

Please replace the paragraph beginning at Page 9, Line 3 with:

Some events 22 are routed to an alert manager 24, which is a particular type of event handler. As described further in connection with the remaining figures, alert manager 24 handles incoming events by determining whether any incoming event requires that a notification, or alert 26, is to be forwarded to a user 28. Alert manager 24 utilizes a set of rules to determine to whom, and when, notifications should be made to a user 28.

Please replace the paragraph beginning at Page 12, Line 15 with:

Referring to Figure 4, the table indicates that event router 16 stores a list of types of events which are to be routed. This table is preferably dynamic, and can be added to as various handlers register with event router 16. In the example of Figure 4, EVENT TYPE 1 has three recipients, R1, R2 and R3, registered to receive a copy of this type of event. Thus, when an event of EVENT TYPE 1 is received by event router 16, recipients R1, R2 and R3 in turn receive a copy of the event message. Identification of the recipient indicates where the message will be sent, and any other particular conditions under which it should be forwarded. If any recipients R1, R2 or R3 are synchronous handlers, the event message will be copied and forwarded to them immediately. If any of these recipients are **[synchronous]** asynchronous events, the registration of such event will indicate a queue into which a copy of the event message should be placed.

Please replace the paragraph beginning at Page 14, Line 8 with:

In the example **[show]** shown in Figure 5, two rules are provided. The conditional for the first rule provides that a product equals ("BOAT"), and a price less than \$7,500.00. If an

A

event occurs which makes this conditional TRUE, a corresponding notification 62 will be generated to the user requesting this alert.

Please replace the paragraph beginning at Page 16, Line 1 with:

The method described above can be generalized and modified to provide different functionality. Referring to Figure 6A, a diagram is shown of a system which uses a rule filter similar to the rules portion of an alert manager 24 for event handlers in general. When business object 30 generates an event 14, it is communicated to event router 16. Event router 16 then sends copies of event 70, 72 to event handlers 74 and 76 which have been previously registered with event router 16. Event handlers 74, 76 each have a rule filter 78, 80, respectively, which uses conditionals in essentially the same manner as described in connection with Figure 5. These rule filters allow for initial filtering of events by event **[handler] handlers** 74, 76 as part of the determination of which events to respond to.

Please replace the paragraph beginning at Page 16, Line 11 with:

An alternative approach is shown in Figure 6B, in which a combined router/filter **82** includes event router 16 and rule filter 84. When business object 30 sends an event 14 to event router 16, rule filter 84 is checked to see whether any rules apply to such event. If a conditional of a rule is met, the functional portion of the rule, directing events to particular handlers, is then executed. For example, when event 14 is sent to event router 16, the corresponding copy is not automatically sent to both event handlers 86, 88. Instead, the context data included with event 14 is evaluated as described in connection with Figure 5 within rule filter 84, and events are only sent to handlers for which the rule conditional evaluates true. In this example, event copy 90 is forwarded only to event handler 88 because no corresponding conditional was satisfied which would cause event 14 to be routed to event handler 86.

A

Please replace the paragraph beginning at Page 18, Line 15 with:

As described previously, the alert notifications themselves can be provided in any available format supported by the system. Notification may be by e-mail or other electronic messaging as known in the art. By sending appropriate messages to any type of intermediate interface devices, messages such as pages or telephone alerts can also be made. Because the alert notification message and its type are maintained in tables in the alert manager, addition of a new technology is easily made to the alert system. All that is necessary is to provide that a selected message be sent to an appropriate handler **[form] from** the alert manager, and the message can be sent to the registered user.

A